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Ex G. Gray

PATENT SPECIFICATION



Application Date: April 24, 1925. No. 10,649 / 25.

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PROVISIONAL SPECIFICATION.

Improvements in or relating to Hot Water Bottles.

I, ALFRED DUNKLEY, of British nationality, of Stamford Cottage, Dela Warr Road, Bexhill on Sea, do hereby declare the nature of this invention to be as follows:—

This invention relates to hot water bottles of the kind which are placed in beds as foot warmers; but more particularly to stoppers therefor.

10 The object of the invention is to provide simple means whereby a hot water bottle can be readily adapted for use after the manner appertaining to a bed warming pan.

15 According to this invention, a screw or other suitable stopper for a hot water bottle, is formed with an internally screw-

threaded socket into which a screw-threaded end of a suitable handle can be readily fitted to enable the bottle to be conveniently manipulated as when using a bed-warming pan. The handle may be of wood having a screw-threaded metal ferrule at its end, or may be entirely of metal, as preferred.

Hot water bottles more especially adapted for use in the manner described, are preferably of comparatively flat or, transversely, of oval shape.

Dated this 24th day of April, 1925. 30

CHATWIN & COMPANY,

The Consulting Patent Agency,
253, Gray's Inn Road, London, W.C. 1.
Agents for the Applicant.

COMPLETE SPECIFICATION.

Improvements in or relating to Hot Water Bottles.

35 I, ALFRED DUNKLEY, British nationality, of Stamford Cottage, Dela Warr Road, Bexhill on Sea, do hereby declare the nature of this invention and in what manner the same is to be performed, to 40 be particularly described and ascertained in and by the following statement:—

This invention relates to hot water bottles of the kind which are placed in beds as foot warmers; but more particularly to stoppers therefor.

45 The object of the invention is to provide simple means whereby a hot water bottle can be readily adapted for use after the manner appertaining to a bed warming pan.

50 According to this invention, a screw or other suitable stopper for a hot water bottle, is formed with an internally screw-threaded socket into which a screw-

55 threaded end of a suitable handle can be

readily fitted to enable the bottle to be conveniently manipulated as when using a bed-warming pan. The handle may be of wood having a screw-threaded metal ferrule at its end, or may be entirely of metal, as preferred.

Hot water bottles more especially adapted for use in the manner described, are preferably of comparatively flat or, transversely, of oval shape.

In order that the invention may be fully understood and readily carried into effect, I will now describe the same with reference to the accompanying drawings, in which:—

Fig. 1 is a side view of a hot water bottle or the like illustrating the application thereto of my invention.

Fig. 2 is a plan of the bottle shown in Fig. 1.

Fig. 3 is an enlarged view; partly in

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section, illustrating the stopper and handle applied thereto.

Fig. 4 shows the stopper in elevation.

Fig. 5 shows a suitable handle.

5 Figs. 6 and 7 show alternative designs of bottles or the like to which my invention can be applied.

Bottles or hot water receptacles to which my invention is applicable, are 10 preferably constructed of metal to ensure lightness combined with strength and rigidity.

As usual, such water bottles have a filling orifice comprising a neck 1, which 15 may extend outwardly from or inwards into the interior of the receptacle 2. The neck is interiorly screw-threaded. The receptacle being preferably made of metal the screw-threads 3 may conveniently be spun in the metal as shown.

According to this invention, the stopper 4, provided with the usual milled surface 5 and flexible washer 6, has a socket 7, interiorly screw-threaded to engage 25 screw-threads 8 on any suitable handle of wood or hollow metal as preferred.

The receptacle 2 may be of any desired and convenient shape and construction,

as shown, for instance, in Figs. 6 and 7. The preferred form, however, being substantially of that pattern shown in Figs. 30 1 and 2, it having a flattened end 9 which enables the bottle or the like to stand vertically on the floor.

Having now particularly described and 35 ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A stopper for hot water bottles having an internally screw-threaded socket to receive a screw-threaded end of a suitable handle.

2. The combination of a hot water bottle and stopper according to Claim 1. 45

3. A stopper according to Claiming Clause 1 constructed, and combined for use substantially as hereinbefore described and illustrated in the accompanying drawings.

Dated this 11th day of June, 1925.

CHATWIN & COMPANY,
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Agents for the Applicant.

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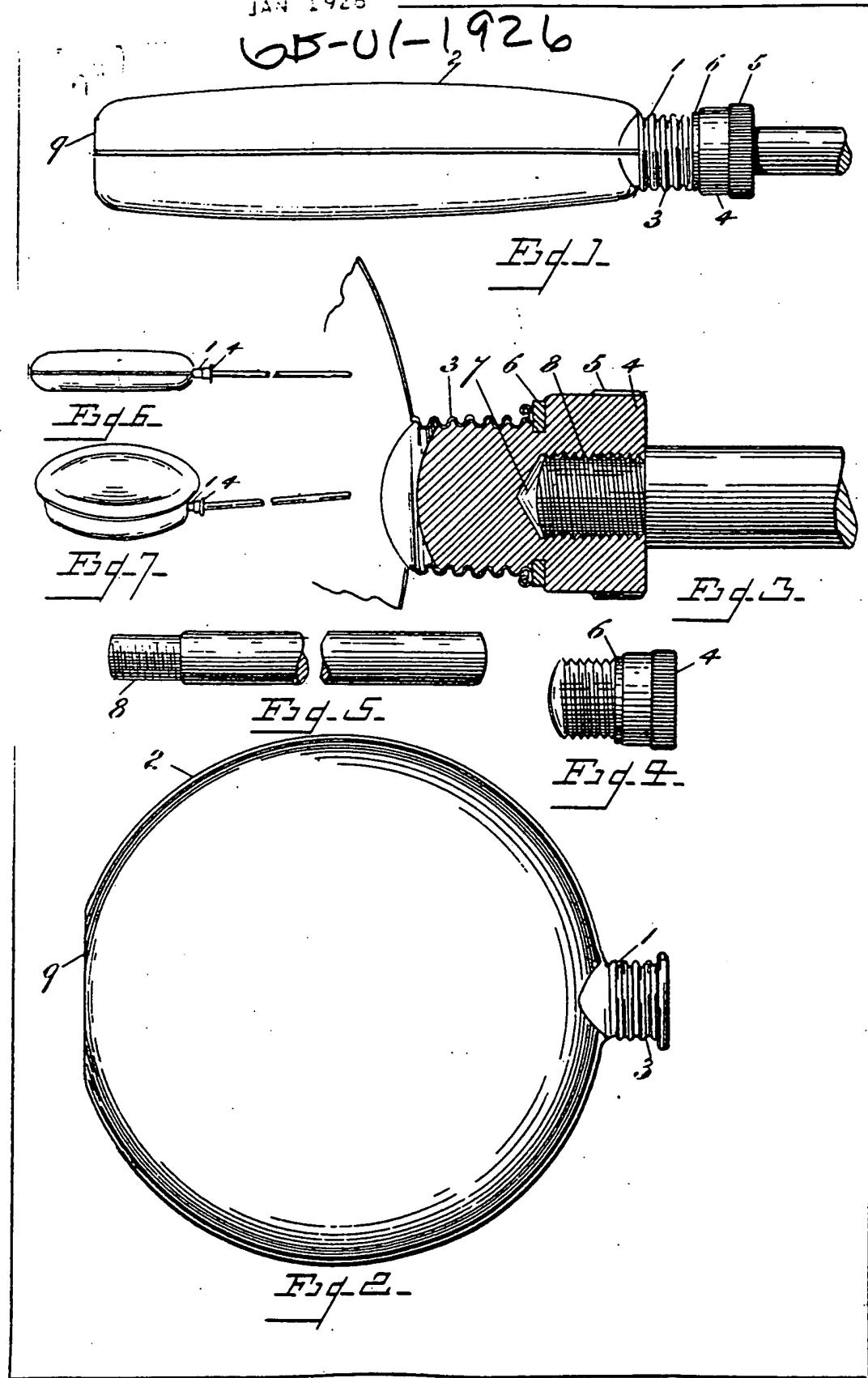
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